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DIVISION OF
OIL, GAS & MINING

July 30, 1981

Mr. James Smith
Mined Land Coordinator
Utah Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: Soil Test Drilling, Sand Wash Project

Dear Jim:

I am forwarding the enclosed description of proposed activities on behalf of Tosco Development Corporation to keep the Division apprised of operations at the Sand Wash site. The soil testing program described below is strictly for determining physical and mechanical properties of soils and should not be construed as geological exploration for minerals under Rule M-3(5) of the Division's regulations. A map is attached to reflect the location of the proposed activities which are to commence on Tuesday, August 4, 1981.

Harrison Western Corporation and Tosco's subcontractor, Gingory Associates, Inc. propose to conduct the soils investigations for the Sand Wash Development Project. The purpose of these investigations is to determine the engineering properties of soils at the site and at the proposed crossing of Cottonwood Wash. The program proposed consists of drilling several holes as follows:

1. At Cottonwood Wash, Tosco will drill three (3) 4-inch diameter bore holes with an auger-type drill. Two of these holes will be to a depth of 20-feet or to refusal. The third bore hole will be drilled to a depth of 30-feet or to refusal. By drilling these holes we hope to determine the depth to bedrock in Cottonwood Wash. We will collect samples of soil from these holes for laboratory analysis to determine

the bearing capacity of soil. In addition, we will be able to develop an economic design for the crossing. (See Figure 1 and 2 for hole locations.)

2. At the sedimentation and mine water retention pond sites, Tosco proposes drilling five (5) 4-inch bore holes with an auger-type drill. These holes will be drilled to a depth of 20-feet or to refusal, whichever occurs first. By drilling these holes we hope to determine the suitability of these sites for use as water retention and sedimentation ponds. We will collect samples of soil from the bore holes for laboratory analysis. The results of these tests will verify that the soils are suitable for embankment construction.

At the retention ponds south abutment, Tosco proposes to drill an NX size core hole to a depth of 50-feet. This hole will provide us with subsurface geologic information. By examining the core, we will be able to further determine the suitability of the pond sites. (Refer to Figure 1 and 3 for core hole locations.)

Subsequent to drilling, these holes will be filled with surplus drill cuttings. The drill sites will be reclaimed and all refuse will be removed. Tosco does not anticipate having to undertake any grading or other site preparation for the drill.

If you have any questions, please feel free to call.

Sincerely,


Denise A. Dragoo

DAD/k1
Enc.

cc: Mr. Mark Robinson